



Crop Weather Report

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For the Week Ending:
July 29, 2007

Weather Summary

During the week ending July 29th, Montana experienced hot temperatures with limited precipitation. Glendive and Wolf Point reached 111 degrees, and only four weather stations had highs for the week that were less than 95 degrees. Swan Lake had the low temperature at 39 degrees. Rapelje received the most moisture at 3.12 inches from an isolated thunderstorm, while the rest of the state had below normal precipitation. Topsoil moisture adequate and surplus is 15 percent, below last week's 23 percent and the five-year average of 24 percent but above last year's 13 percent. Subsoil moisture adequate and surplus, at 29 percent, is below last week's 39 percent but is above both last year's rating and the five-year average of 18 and 26 percent, respectively. The number of days suitable for fieldwork decreased from 6.9 days the previous week to 6.7 days.

The weather outlook for August 6th through August 12th is for below normal temperatures and above normal precipitation both east and west of the continental divide. Normal temperatures for this period in the state are highs in the upper 70s to the upper 80s and lows ranging from 40 degrees to the lower 60s.

Crop Condition Table	This Week	Last Week	Last Year	5 Yr Avg
Winter Wheat				
Very Poor	3	2	2	4
Poor	6	4	5	10
Fair	31	27	28	31
Good	45	49	36	39
Excellent	15	18	29	16
Barley				
Very Poor	17	15	5	6
Poor	20	15	14	14
Fair	26	24	30	31
Good	29	38	41	39
Excellent	8	8	10	10
Oats				
Very Poor	3	2	8	7
Poor	14	7	13	12
Fair	28	23	31	30
Good	44	59	40	42
Excellent	11	9	8	9
Spring Wheat				
Very Poor	14	8	13	7
Poor	17	9	18	15
Fair	27	21	43	34
Good	36	55	25	37
Excellent	6	7	1	7
Durum Wheat				
Very Poor	4	3	11	6
Poor	19	15	40	20
Fair	29	24	30	29
Good	34	47	19	38
Excellent	14	11	0	7

Soil Moisture & Fieldwork Table	This Week	Last Week	Last Year	5 Yr Avg
Topsoil Moisture				
Very Short	40	29	48	35
Short	45	48	39	41
Adequate	14	21	13	23
Surplus	1	2	0	1
Subsoil Moisture				
Very Short	32	19	40	34
Short	39	42	42	40
Adequate	29	37	17	25
Surplus	0	2	1	1
Days Suitable for Fieldwork				
Days	6.7	6.9	6.8	6.8

Field Crops Report

Grain is turning color fast with temperatures above 100 degrees. All of the small grains are turning faster than last year with the exception of durum wheat. The high temperatures are causing considerable damage to some of the later seeded crops, but oats, spring wheat, and durum wheat are in better condition than last year. The first cutting of all hay is nearly complete.

Crop Progress Table	This Week	Last Week	Last Year	5 Yr Avg
Headed				
Durum Wheat	97	88	99	92
Turning				
Barley	97	66	67	65
Oats	92	63	81	63
Spring Wheat	91	50	87	67
Durum Wheat	58	45	89	52
Harvested				
Winter Wheat	59	19	78	35
Spring Wheat	3	n/a	14	5
Durum Wheat	1	n/a	4	1
Barley	10	2	14	6
Oats	14	4	15	6
Dry Peas	47	7	39	n/a
Lentils	30	4	55	n/a
Hay First Cutting				
All Other	98	91	98	91
Hay, Second Cutting				
Alfalfa	31	8	30	19
All Other	5	2	18	9

Livestock Report

Range and pasture feed conditions have declined since the previous week due to hot temperatures and little rainfall. Forty-four percent is rated good to excellent, compared to 56 percent the previous week. Conditions are better than last year and the five-year average.

Livestock Table	This Week	Last Week	Last Year	5 Yr Avg
Range and Pasture Feed Condition				
Very Poor	10	10	12	15
Poor	13	9	25	22
Fair	33	25	33	32
Good	34	46	25	26
Excellent	10	10	5	5

Weather Information for the Week ending 07/29/2007

Station ID						Precipitation							
	Temperature			GDDs		This Week		April 1 to Date			October 1 to Date		
	Hi	LOW	AVG	B50	DFN	Total	DFN	Total	DFN	%NRM	Total	DFN	%NRM
NORTHWEST													
Alberton	99	54	77	190	+64	0.24	+0.05	4.78	-0.59	89	15.39	+4.31	139
Anaconda	94	51	72	153	+69	0.20	-0.07	8.41	+1.27	118	14.53	+3.10	127
Clinton	100	50	75	179	+53	0.00	-0.19	6.70	+1.33	125	15.42	+4.34	139
Corvallis	99	53	75	178	+59	0.00	-0.18	3.87	-1.21	76	6.71	-4.10	62
Creston	96	51	74	172	+67	0.13	-0.18	5.66	-2.55	69	10.31	-6.15	63
Deer Lodge	96	49	72	152	+65	0.18	-0.05	6.33	+0.91	117	9.59	+1.30	116
Drummond	98	49	72	157	+45	0.80	+0.58	6.92	+1.04	118	10.66	-0.08	99
Hamilton	101	55	78	199	+80	0.00	-0.18	4.15	-0.93	82	8.13	-2.68	75
Kalispell	98	48	74	170	+67	0.41	+0.20	4.99	-1.24	80	10.89	-2.89	79
Missoula	100	58	79	207	+81	0.00	-0.19	3.90	-1.47	73	9.40	-1.68	85
Olney	98	41	71	145	+54	0.10	-0.18	3.62	-4.12	47	15.32	-4.77	76
Polson	95	56	77	192	+66	0.00	-0.23	7.25	+0.24	103	12.10	-1.52	89
St Ignatius	98	57	78	198	+74	0.11	-0.10	6.17	-1.34	82	11.52	-2.23	84
Seeley Lake	98	49	76	183	+92	0.00	-0.21	4.34	-2.12	67	14.88	-3.87	79
Sula	94	44	68	130	+46	0.00	-0.26	7.56	+0.48	107	12.94	-0.43	97
Superior	104	53	78	197	+66	0.00	-0.19	5.12	-0.30	94	14.93	+0.94	107
Swan Lake	96	39	68	130	+39	0.00	-0.28	7.93	-0.27	97	23.68	-0.58	98
Thompson Falls	105	55	80	214	+81	0.00	-0.21	5.74	-0.72	89	23.27	+3.00	115
West Glacier	97	50	75	175	+77	0.05	-0.30	7.02	-2.25	76	23.87	-1.24	95
NORTH CENTRAL													
Chester	99	57	78	197	+71	0.09	-0.19	4.29	-1.80	70	8.03	-0.47	94
Chinook	102	54	78	195	+55	0.01	-0.29	7.96	+1.23	118	11.75	+2.28	124
Choteau	99	54	74	169	+43	0.00	-0.28	4.06	-2.14	65	5.77	-2.40	71
Cut Bank	100	57	77	188	+83	0.02	-0.26	0.96	-5.71	14	1.44	-7.56	16
Ft Assinniboine	107	56	80	208	+61	0.00	-0.28	7.54	+1.32	121	11.05	+1.81	120
Fort Benton	102	58	77	191	+51	0.18	-0.07	7.01	-0.43	94	11.34	-0.22	98
Goldbutte	102	48	76	185	+76	0.01	-0.25	6.08	-0.98	86	10.20	+0.39	104
Harlem	103	54	79	209	+69	0.11	-0.25	8.31	+1.86	129	11.32	+2.26	125
Havre	106	57	79	207	+63	0.01	-0.27	7.58	+1.90	133	10.97	+2.30	127
Malta	103	57	84	238	+102	0.50	+0.09	8.74	+1.23	116	11.52	+1.38	114
Rudyard	102	60	78	194	+45	0.19	-0.09	8.20	+0.69	109	11.51	+0.62	106
Shelby	100	49	75	179	+63	0.00	-0.28	3.66	-3.23	53	7.06	-2.20	76
Turner	103	50	79	202	+66	0.06	-0.35	6.80	-0.71	91	8.63	-1.51	85
Valier	96	55	76</										